

**FIG. 1**

[illegible]

**FIG. 2**

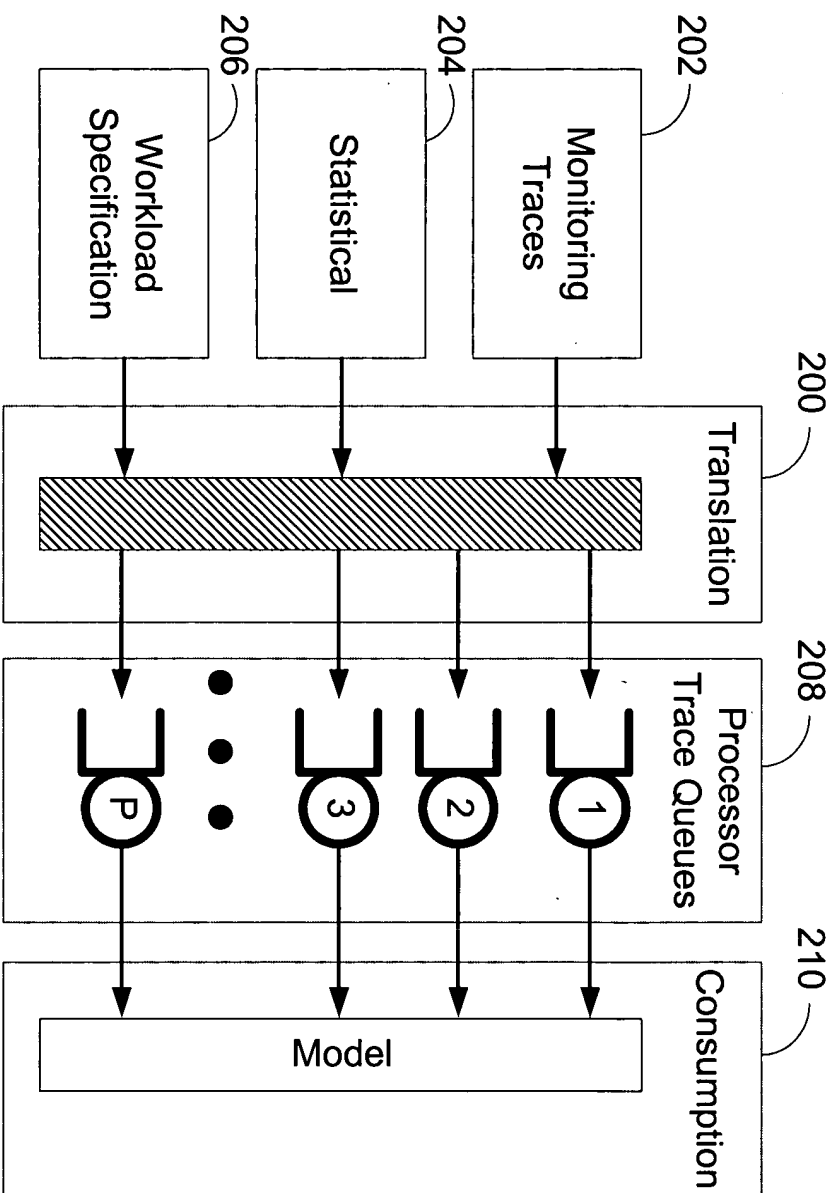
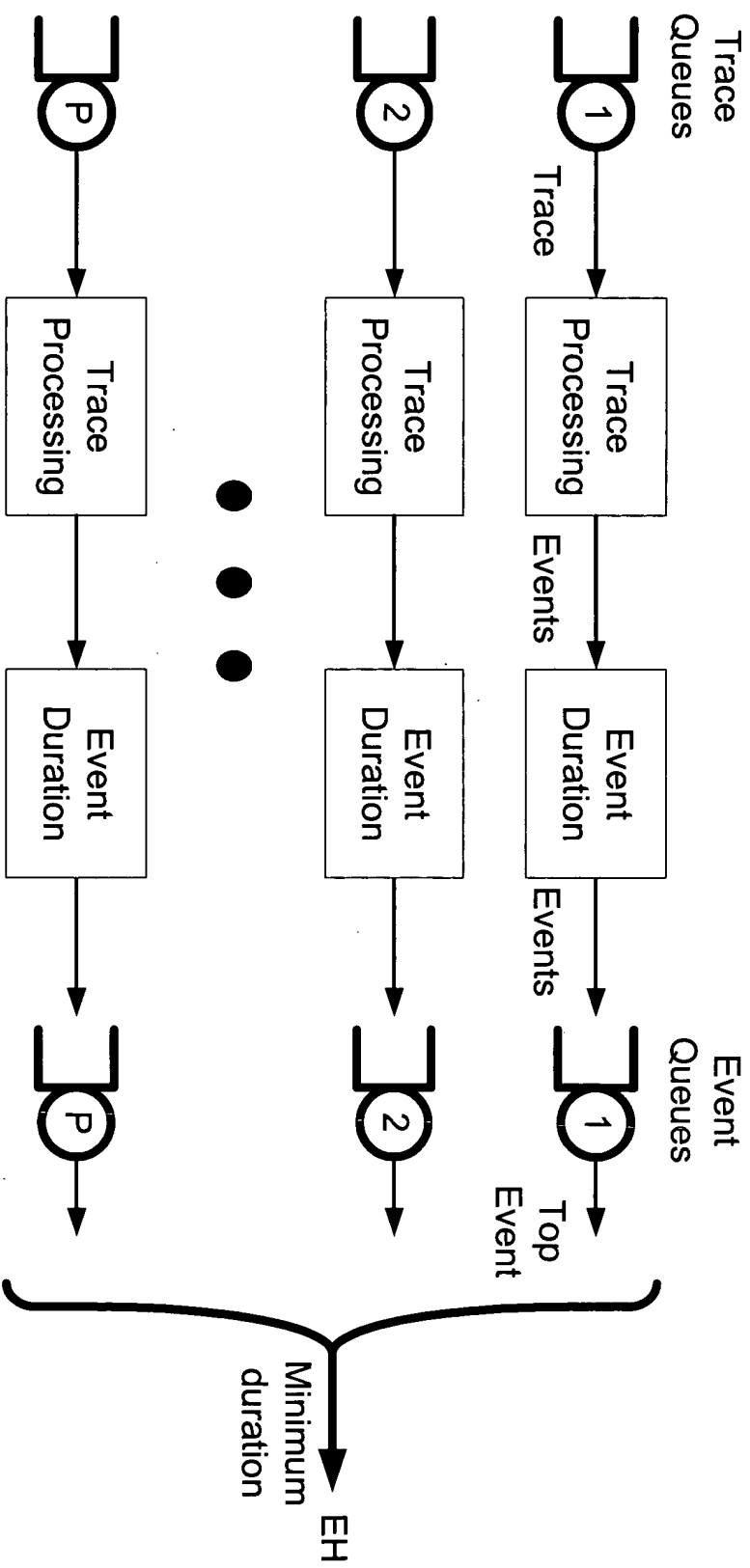


FIG. 3

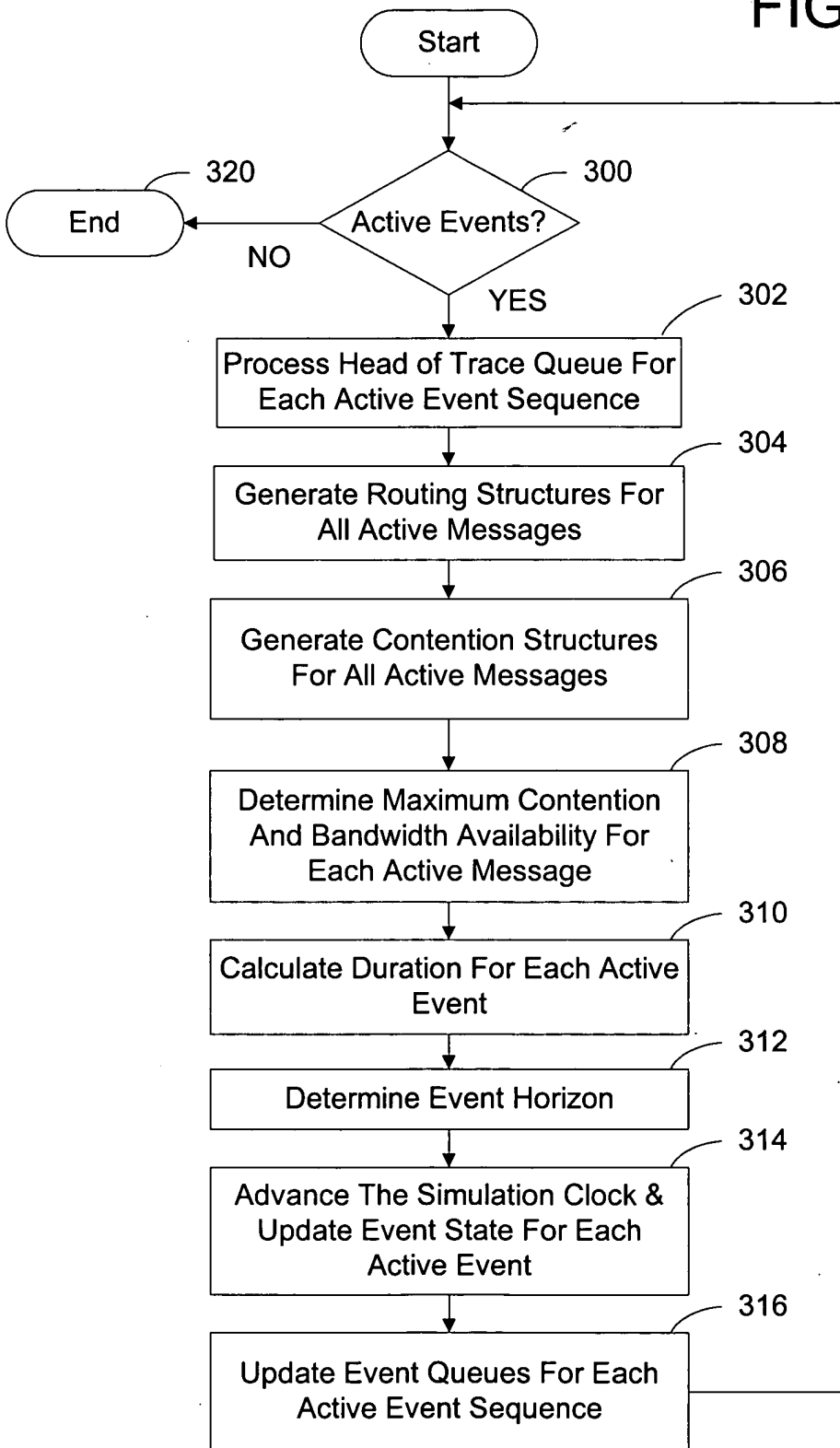
|     | Event Type           | Arguments              | Description                                                                                                                                    |
|-----|----------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                      |                        |                                                                                                                                                |
| 220 | Processing           | time                   | The processor remains idle for the specified time.                                                                                             |
| 222 | Blocking Send        | source, target, length | Source processor sends a message of specified length to target processor. The source processor blocks until the event completes.               |
| 224 | Blocking Receive     | source, target, length | Target processor receives a message of specified length from source processor. The target processor blocks until the event completes.          |
| 226 | Asynchronous Send    | source, target, length | Source processor sends a message of specified length to the target processor. The source processor can immediately proceed to the next event.  |
| 228 | Asynchronous Receive | source, target, length | Target processor receives a message of specified length from source processor. The target processor can immediately proceed to the next event. |
| 230 | Barrier              | processor list         | Processors in the list proceed with the next event after all have entered the synchronization event                                            |

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**FIG. 5**



**FIG. 6**





PC Hosts

Inter-switch

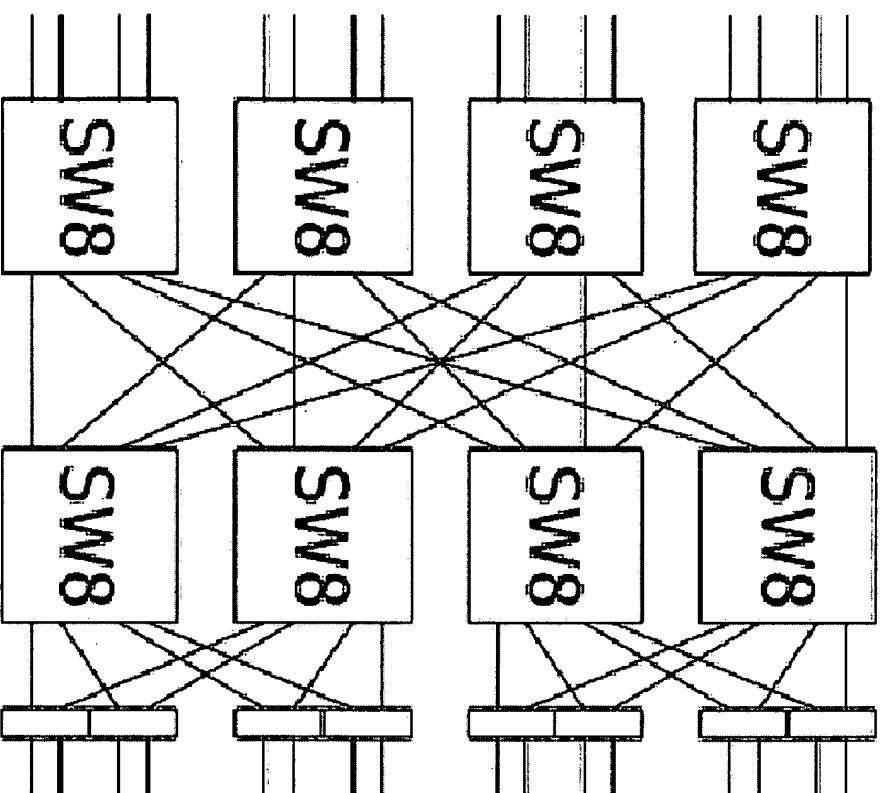


FIG. 8





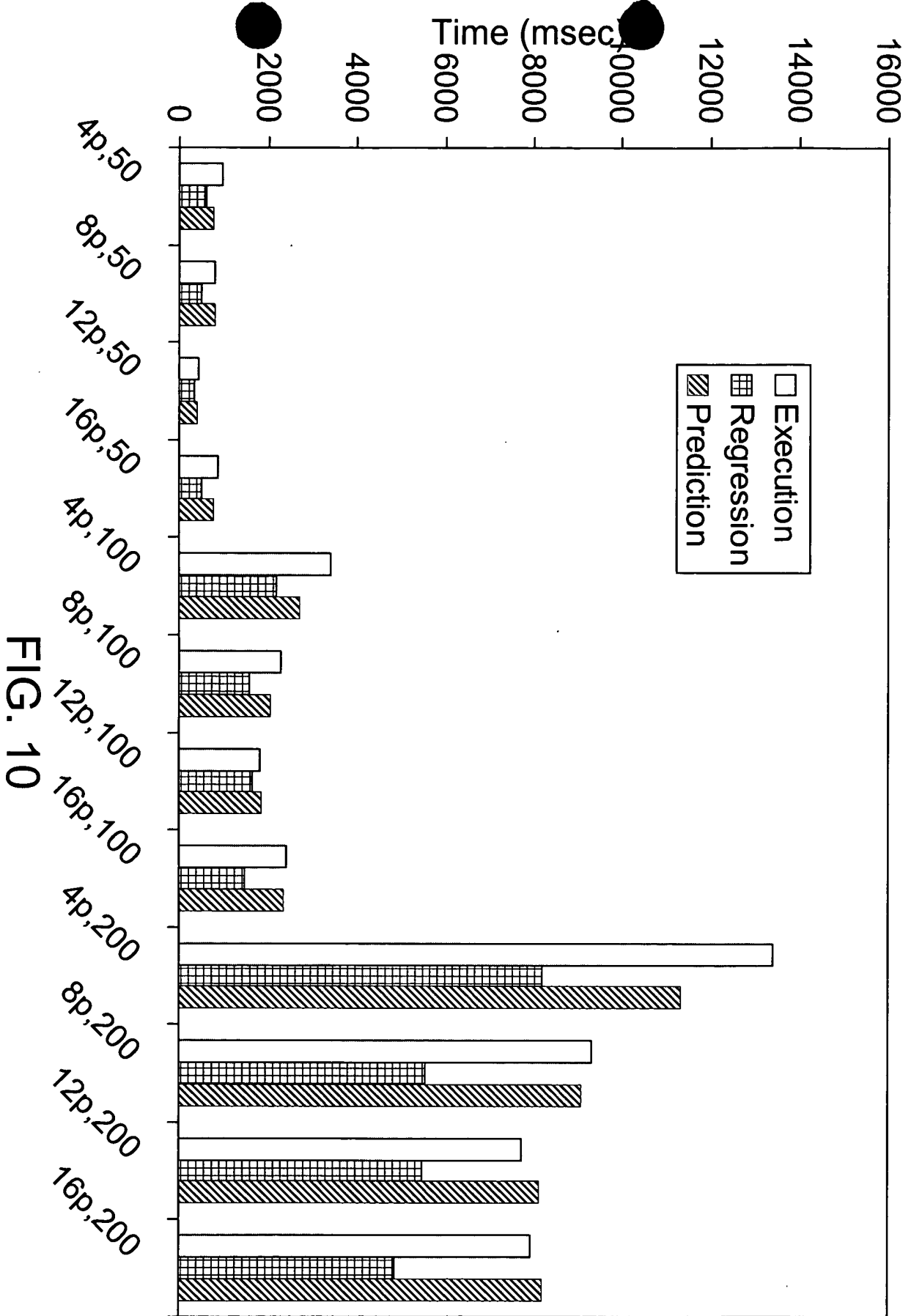


FIG. 10

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